

PIK, Ts.D.; VORONTSOVA, Ye.I.; GORODENSKAYA, Ye.N.; MISHCHENKO, B.B.; GORLIN,
N.M.

Prevention and pathogenesis of silicosis. Gig. sanit., Moskva No.12:
20-27 Dec 51. (CIML 21:4)

1. Report presented at the Scientific Session of the Institute of
Labor Hygiene and Occupational Diseases of the Academy of Medical
Sciences held in February 1951.

Industrial hygiene

Conference of young scientific workers., Gig. i san., No. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, May 1952 ~~1952~~, Unclassified.

KHALIZOVA, O. D.; VORONTSOVA, Ye. I.

Certain properties of freon 12 and method of its determination.
Gig. sanit., Moskva no. 4:44-46 Apr. 1952. (CLML 22:2)

1. Institute of Labor Hygiene and Occupational Diseases, Academy
of Medical Sciences USSR.

VORONTSOVA, YE. I., MARFEMIN, V. S.

Industrial Hygiene

Result of evaluation of plans for scientific activities of institutes for industrial hygiene of the All-Union Central Council of Trade Unions. Giv. 1 san. No. 4, Apr. '52.

9. Monthly List of Russian Accessions, Library of Congress, September 1953² Unclassified.

VORONTSOVA, YE. I.

Industrial Hygiene

Fourth Scientific Session of the Sverdlovsk Province Institute of Industrial Hygiene and Occupational Diseases. Gig i san. No. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, September 1953.²Unclassified.

CA

Effectiveness of air filters made of mineral wool. T. S. Karacharov and B. I. Yarovtsova (Ministry Health, Moscow). *Gigiena i Sanit.* 1982; No. 6, 29-35.—Mineral-wool filters impregnated with bitumen give 80-90% dust retention and in most cases permit but 1 mg./cu. m. dust penetration. Min content can be reduced from 0.21 to 0.018 mg./cu. m. At moderate speeds such filters are useful for air decontamination in welding shops. The dust capacity is about 270 g. per sq. m. G. M. Kosolapoff

KHOTSYANOV, L.K.; VORONTSOVA, Ye. I.

Basic tasks in the field of industrial hygiene in relation to directive
of the 19th Congress of the Party. Gig. sanit., Moskva no.12:3-7 Dec 1952.
(CIML 23:4)

VORONTSOVA, E. I.

U S S R :

✓3770. CONFERENCE ON METHODS FOR DETERMINING DUST CONTENT OF AIR.
Vorontsova, E. I. (Oigona Sanit. (Hyg. & Sanit., Moscow), Oct. 1953, 54-56)
abstr. in Nat. Abstr., Sept. 1954, vol. 5, 1014). The papers cover methods
of determining dust content of air, comparative trials under static
conditions of various types of apparatus for analysing dust content, apparatus
for the quantitative and qualitative study of atmospheric aerosols, etc.

VORONESOVA, Ye. I.

Medicine, Industrial

At the youth forum, Gig. 1 san. No. 2, 1953

Monthly List of Russian Accessions, Library of Congress, June 1953, Uncl.

VORONTSOVA, E. I.

(2)
Hygienic evaluation of the atmosphere in automatic welding under a flux layer. E. I. Vorontsova and T. S. Karacharov. *Gigiena i Sanit.* 1954, No. 1, 15-24.—Automatic welding under a flux composed of CaF_2 , SiO_2 , CaO , MgO , Al_2O_3 , and MnO_2 causes considerable atm. contamination by dust of Mn compds. and SiO_2 , as well as gases (HF , CO , NO_2 oxides). Analyses of the atm. at various locations in a typical shop are cited. High efficiency of ventilation is strongly urged in this work. G. M. K.

VOKON / SOVN, Ye. L.

LETAVET, A.A.; RYAZANOV, V.A.; KHOTSYANOV, L.K.; MOROZOV, A.L.; MARTSINKOVSKIY, B.I.; MITEREV, G.A.; IVANOV, V.A.; IZRAEL'SON, Z.I.; ORLOV, N.I.; CHERKINSKIY, S.N.; BERYUSHOV, K.G.; KIBAL'CHICH, I.A.; TARASEEKO, N.Yu.; DRAGICHINA, Ye.A.; VORONTSOVA, Ye.I.; SANINA, Yu.P.; KREMNEVA, S.H.; KULAGINA, N.K.; SHAFRANOVA, A.S.; TIKHAYA, M.G.; MOLOKANOV, K.P.; RAZUMOV, N.P.; KURLYANDSKAYA, E.B.; KHALIZOVA, O.D.

In memory of Professor N.S.Pravdin. Gig.1 san. no.4:61 Ap '54.

(Pravdin, Nikolai Sergeevich,

(MLRA 7:4)
)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861010012-1

RESEARCH FOR RESEARCH

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861010012-1"

KHUKHRINA, Ye.V., kandidat meditsinskikh nauk; VORONTSOVA, Ye.I.,
kandidat meditsinskikh nauk

Comparative evaluation of different methods for the determination
of dust pollution of air. Bor'ba s sil. 2:205-214 '55. (MLRA 9:5)

1. Moskovskiy oblastnoy nauchno-issledovatel'skiy sanitarno-
gigiyenicheskiy institut (for Khukhrina) 2. Institut gigiyeny
truda i profzabolevaniy Akademii meditsinskikh nauk SSSR (for
Vorontsova)
(DUST)

VORONTSOVA, YE. I.

AID P - 3669

Subject : USSR/Medicine

Card 1/1 Pub. 37 - 15/19

Author : Vorontsova, Ye. I., Kand. Med. Sci.

Title : ~~Measures for improving the working conditions of electric welders~~
Measures for improving the working conditions of electric welders

Periodical : Gig. i. san., 11, 56-58, N 1955

Abstract : Summaries of reports presented by scientific workers at the Conference of various sections of the Ministry of Shipbuilding, Ministry of Health, RSFSR, Institutes of Hygiene, etc., called in Leningrad, June 7-9, 1955.

Institution : Institute of Industrial Hygiene and Occupational Diseases, Acad. of Med. Sci., USSR.

Submitted : No date

AID P - 5268

Subject : USSR/Engineering

Card 1/1 Pub. 107-a - 4/18

Authors : Vorontsova, Ye. I., Dotsent and T. S. Karacharov, Eng.
(Institute of Labor Hygiene and Occupational Diseases,
Academy of Medical Science, USSR)

Title : Evaluation of labor conditions in various types of arc
welding.

Periodical : Svar. proizv., 9, 12-14, S 1956

Abstract : The authors present a concise report of their investi-
gation of sanitary conditions and various measures under-
taken for improvement of existing conditions in manual
automatic and semi-automatic welding with fusing admixtures
and in carbon-dioxide welding. Five tables, 1 drawing.

Institution : As above

Submitted : No date

VORONTSOVA, Ye.I., kandidat meditsinskikh nauk; KARACHAROV, T.S., inzhener

Hygienic evaluation of several brands of electrodes for manual arc welding. Gig. i san. 21 no.8:35-41 Ag '56. (MLRA 9:11)

1. Iz Instituta gigiyeny truda i professional'nykh zabolevaniy AMN SSSR.

(INDUSTRIAL HYGIENE

evaluation of several sorts of electrodes for manual arc welding)

VORONTSEVA, Ye. I.

137-58-1-2182

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 1, p 296 (USSR)

AUTHORS: Vorontsova, Ye. I., Karacharov, T. S.

TITLE: An Evaluation of the Atmosphere in Electric Welding in the Shipbuilding Industry from the Point of View of Health, and Prospects for Improving the Situation (Gigiyenicheskaya otsenka vozduшной sredy pri elektrosvarke v sudostroitel'noy promyshlennosti i perspektivy yeye ozdorovleniya)

PERIODICAL: Tr. Yubileyn. nauchn. sessii, posvyashch. 30-letney deyat-sti Gos. n.-i. in-ta gigiyeny truda i profzabolevaniy. Leningrad, 1957, pp 145-151

ABSTRACT: Working conditions and their effect on the health of welders are investigated. Preventive measures recommended include an increase in air flow, installation of permanent ventilators when welding is performed in holds of small vessels and at more or less fixed spots, replacement of OSTs-45 flux by another, for example AN-348 or FTs-9, in automatic and semi-automatic welding, replacement of hand stocking of flux by automatic loading of flux into bins, etc.

Ye. L.

Card 1/1

1. Electric welding--Physiological effects 2. Electric welding
--Safety measures 3. Ventilation--Applications

Vorontsova, Ye. I.
VORONTSOVA, Ye. I. (Moskva)

Principal hygienic problems in the electric welding and cutting of nonferrous metals. Gig.truda i prof.zab. 1 no.6:6-11 M-D '57.

(MIRA 11:2)

1. Institut gigiyeny truda i profzabolevaniy AMN SSSR.
(WELDING—HYGIENIC ASPECTS)

135-58-7-19/20

AUTHOR: Vorontsova, Ye. I., Candidate of Medical Sciences, and Karacharov, T.S., Engineer

TITLE: Present State and Trends of Work in the Field of Industrial Hygiene in Welding (Sostoyeniye i perspektivy raboty v oblasti gigiyeny truda pri svarke)

PERIODICAL: Svarochnoye proizvodstvo, 1958, Nr 7, pp 44-47 (USSR)

ABSTRACT: General recommendations are given for hygienic working conditions to protect welding workers from the harmful effects of gas liberation. Investigations on this subject were carried out by the Institute of Industrial Hygiene and Professional Diseases AMS USSR and the Leningrad and Ukrainian Institutes of Industrial Hygiene and Professional Diseases. Information includes investigations carried out on an experimental installation for determining aerosol and gas liberation in manual arc welding (figure 1). The following exhaustor ventilation devices are described: 1) a lateral exhaustor, designed by T.S. Karacharov (figure 2); 2) a local exhaustor for the welding of large size structures, recommended by the Moskovskiy institut okhrany truda VTsSTsS (Moscow Institute of Labor Protection VTsSTsS) (figure 3); 3) an installation for the ventilation of closed

Card 1/2

135-58-7-19/20

Present State and Trends of Work in the Field of Welding Labor Hygiene

areas (figure 4), utilized at the "Kompressor Plant; 4) a portable ventilation device for welding inside of ships (figure 5); 5) a local exhauster (figure 6), designed by the Leningrad Institut okhrany truda; 6) an air supply device for closed areas (figure 7), recommended by the same Institute. There are 8 diagrams.

ASSOCIATION: Institut gigiyeny truda i profzabolevaniy AMN SSSR (Institute of Industrial Hygiene and Professional Diseases AMS USSR)

1. Welding--Hazards

Card 2/2

VORONTSOVA, YE. I., KARACHAROV, T. S.

"Problems of labor hygiene in the new types of electric welding."

report submitted at the 13th All-Union Congress of Hygienists, Epidemiologists and Infectionists, 1959.

VORONTSOVA, Ye.I. (Moskva)

Hygienic character of working conditions in electric slag welding.
Gig.truda i prof.zab. 3 no.5:27-29 S-0 '59. (MIRA 13:2)

1. Institut gigiyeny truda i profzabolevaniy AMN SSSR.
(ELECTRIC WELDING--HYGIENIC ASPECTS)

VORONTSOVA, Ye.I.

Conference on methods for determining the dust content of air.
Gig.truda i prof.zab. 3 no.5:62-63 8-0 '59. (MIRA 13:2)
(DUST)

9(3),18(7)

SOV/135-59-6-13/20

AUTHOR: Vorontsova, Ye. I., Candidate of Medical Sciences, and
Karacharov, T. S., Engineer

TITLE: Evaluation of the Ts M-9 Type Rutile Electrodes from
the Point of View of Worker Hygiene

PERIODICAL: Svarochnoye Proizvodstvo, 1959, Nr 6, p 40 (USSR)

ABSTRACT: The authors investigate a new electrode Ts M-9 constructed by TsNIITMASH 1958 for welding steels containing little C-hydrate. The cover of the electrodes consists of titanium - containing minerals and felspar. The investigation of electrode Ts M-9 from the hygienic point of view is accomplished by a comparison with the electrodes Ts M-7 (Table 1). The authors state that, from the hygienic point of view, electrode Ts M-9 is much better than electrodes Ts M-7, Ts M-8 or MEC-04. There is 1 table.

ASSOCIATION: Institut gigeny truda i profzabolevaniy AMN SSSR (Institute of Labor Hygiene and Occupational Diseases
AMN SSSR)

Card 1/1

VORONTSCOVA, Ye. I., Doc Med Sci -- (diss) "Work hygiene in electrical welding occupations." Moscow, 1960. 27 pp; (Academy of Medical Sciences USSR); 300 copies; price not given; list of authors' works on pp 25-27 (20 entries); (KL, 19-60, 137)

VORONTSOVA, Yelena Ivanovna; LANDAU-TYLKINA, S.P., red.; BALDINA, N.F.,
tekhn.red.

[Industrial hygiene for the electric welder] Gigena truda
elektrosvarshchika. Moskva, Gos.izd-vo med.lit-ry Medgiz,
1960. 37 p. (MIRA 14:7)
(Electric welding---Hygienic aspects)

BYKHOVSKAYA, M.S.; VORONTSOVA, Ye.I.

Determination of renacite-4 in the air of production shops. Khim.
prom. no.8:685-686 D '60. (MIRA 13:12)

1. Institut gigiyeny truda i profsazbolevaniy AMN SSSR.
(Rubber industry—Hygienic aspects)
(Benzeneethiol)

VORONTSOVA, Ye.I., kand.med.nauk; KARACHAROV, T.S., inzh.

Work hygiene in hard facing. Svar. proizv. no.10:36-38 O '60.
(MIRA 13:9)

1. Institut gigiyeny trudy i profzabolevaniy AMN SSSR.
(Hard facing) (Welding--Hygienic aspects)

VORONTSOVA, Ye.I., doktor med.nauk; KARACHAROV, T.S., inzh.;
VOSHCHANOV, K.P., inzh.

Labor conditions and their improvement in the electric welding
of aluminum and aluminum alloys. Svar. proizv. no.9:33-36
S '61. (MIRA 14:8)

1. Institut gigiyeny truda i profzabolevaniy AMN SSSR (for
Vorontsova, Karacharov). 2. Tsentral'nyye eksperimental'nyye
svarochnyye masterskiye Vsesoyuznogo nauchno-issledovatel'skogo
instituta avtogennoy obrabotki metallov (for Voshchanov).
(Aluminum—Welding)
(Welding—Hygienic aspects)

KARACHAROV, T.S., inzh. [deceased]; VORONTSOVA, Ye.I., dōktor med.nauk;
EL'TERMAN, V.M., inzh.

Ventilation in assembly and welding shops. Svar.proizv. no.1:35-39
Ja '62. (MIRA 15:3)

1. Institut gigiyeny truda i profzabolevaniy AMN SSSR (for
Karacharov, Vorontsova). 2. Moskovskiy institut okhrany truda
Vsesoyuznogo tsentral'nogo soveta professional'nykh soyuzov
(for El'terman).

(Welding--Hygienic aspects)
(Factories--Heating and ventilation)

VORONTSOVA, Ye.I.; KARACHAROV, T.S. (Moskva)

Hygienic evaluation of working conditions in hard facing and
measures for their improvement. Gig.truda i prof. zab. 6 no.5:
3-7 My'62. (MIRA 16:8)

1. Institut gigiyeny truda i professional'nykh zabolevaniy
AMN SSSR.

(HARD FACING—SAFETY MEASURES)

SYUNYAYEVA, Z.A.; TANATAROVA, M.S.; VORONTSOVA, Z, I.

Treatment of trachoma with tetracycline. Vest. oft. 73 no. 3:19-23
My-Je '60. (MIRA 14:1)

(CONJUNCTIVITIS, GRANULAR) (TETRACYCLINE)

KHODOYAROV, G.Kh., dotsent; VORONTSOVA, Z.I., nauchnyy sotrudnik

Observations on operations for transplanting Stensen's duct into
the conjunctival cavity in xerophthalmia. Oft.zhur. 16 no.6:345-
347 '61. (MIRA 14:10)

1. Iz Bashkirskogo nauchno-issledovatel'skogo trakhomatoznogo
instituta (direktor -- M.S. Tanatarova).
(CONJUNTIVA) (CONJUNTIVITIS) (PAROTID GLANDS)

DOVZHANSKIY, S. I.; PUSHKARCHUK; pri uchastii: VORONTSOVOY, G. A., vrach;
KOPYL, P. S., vrach; ZUBOVICHA, vrach

Treatment of dermatological patients at the "Nemirov" Health
Resort. Vest. derm. i ven. no.6:74-76 '61. (MIRA 15:4)

1. Iz L'vovskogo oblastnogo dermatologicheskogo dispansera
(glavnyy vrach T. G. Kovalishina) i kurorta "Nemirov" (glavnyy
vrach A. D. Yuzvenko)

(SKIN--DISEASES)
(LVOV PROVINCE--HEALTH RESORTS, WATERING PLACES, ETC.)

VORONTZOV, A. E.

USSR/Geology

Mar 1947

"New Data on the Geology of the Northwestern Border
of the Siberian Platform," A. E. Vorontzov, G. G.
Moor, 22 pp

"Izv Ak Nauk Ser Geol" No 3

Description of the geological structure of the
northwestern border of the Siberian platform on the
basis of numerous geological works carried out
during the last decade, with maps.

13T18

VORONTZOVA, M. A.

A. G. GURVICH, Arch. Sci. Biol. USSR 35-2, No. 1, 1934, 227-35

BC

B-3-4

Electrometric determination of moisture content of solder mixtures. V. S. KLUKACHNIKOVA and N. I. VORONKOV (Elect. Lab., 1938, 7, 247-248).—Trustworthy results are given by a method depending on conductivity measurement. R. T.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

147300 72	103022 710 007 001	01111701	0111171 001 007 111
147300 72	103022 710 007 001	01111701	0111171 001 007 111

1ST AND 2ND EDITIONS																									
SUCCESSORS AND DERIVATIVES																									
<p>Separation of volatile products in the production of sulfur colors. N. I. VONOFF. 20X <i>Antikharshchaya</i> Prom 2, No 2, 20 (1912). NaOH was found to be the most suitable agent for absorbing H_2S generated in the production of sulfur dyes. CHAS. BLANC</p>																									
<p>ASD-BLA METALLURGICAL LITERATURE CLASSIFICATION</p>																									
<p>1912-1914 1915-1917 1918-1920 1921-1923 1924-1926 1927-1929 1930-1932 1933-1935 1936-1938 1939-1941 1942-1944 1945-1947 1948-1950 1951-1953 1954-1956 1957-1959 1960-1962 1963-1965 1966-1968 1969-1971 1972-1974 1975-1977 1978-1980 1981-1983 1984-1986 1987-1989 1990-1992 1993-1995 1996-1998 1999-2001</p>																									

20,168, Apr. 21, 1932. Ph_2S is obtained by heating PhCl with an aq. soln. of NaHSO_3 under pressure.

VORONZHTSOV, N. N.

VORONZHTSOV, N.N. mladshiy; KARANDASHOVA, N.N.

Sulfonation of 2-chloronaphthalene. Part 2: Sulfonation at elevated temperature. Zhur. ob. khim. 26 no.8:2255-2257 Ag '56. (MIRA 10:11)

1. Moskovskiy khimiko-tekhnologicheskii institut imeni D.I. Mendeleeva.
(Naphthalene) (Sulfonation)

Phenol. N. N. Vorontzov and A. G. Osmurv. Russ. 28,219, Sept. 7, 1931.
 CaH_2Cl is treated under pressure with caustics obtained by electrolysis of concd. solns. of NaCl.

TEST AND ING. ORDER										PROCESSING AND PROPERTIES INDEX										PRO AND QTR. ORDER									
<p><i>BC</i></p> <p><i>B-I-1</i></p> <p>Sulphonation of α-naphthylamines. M. H. Yacovlev (Anilinokras. Prom., 1933, 2, No. 1, 59-62). The highest yield of 1:4-disulphonic acid is obtained below 130° with H_2SO_4 containing some H_2O, the heating being rapid (1-2 hr.). Longer heating or more conc. acid leads to formation of 1:5-acid. Ch. Ans.</p>																													
<p>ASS-SLA METALLURGICAL LITERATURE CLASSIFICATION</p>																													
<p>RIGHTS DIVISION</p>																													
<p>RIGHTS DIVISION</p>																													

Sulfonation of *α*-naphthylamine. N. N. YOSHIKAWA. *Antikinetische Reaktionen* *From*
 2, No. 1, 39-42 (1932).—The sulfonation of *α*-C₁₀H₇NH₂, was carried out (1) with 6 parts
 by wt. of 95-100% H₂SO₄ by heating 1-2.5 hrs. at 100-30°, and (2) with 5 parts of 90-
 2% H₂SO₄ for 1-6 hrs. at 115-20°. The results indicate that the highest yield of 1,4-
 disulfonic acid is obtained at temps. below 130° with H₂SO₄ contg. some water when
 heated rapidly (1-2 hrs.). A more prolonged heating or a more concd. H₂SO₄ tend to an
 energetic transposition of the sulfonic group in 4 with formation of 1,5-disulfonic acid.
 CHAB. BLANC

1ST AND 2ND EDITIONS		PROCESSES AND PROPERTIES INDEX		3RD AND 4TH EDITIONS	
BC				B-II-1	
<p>Sulphonation of β-naphthol under drastic conditions. I. VONORRAOV and P. SOKOLOVA (Prom. Org. China, 1937, 3, 288-291). The yield of sulphonic acids obtained from β-O₂H₂OH by heating with a 6-fold excess of 20% oleum at 130° remains const. at about 88% during 12 hr., and then falls steadily to 80% after 24 hr. The yield of 6:8-disulphonic acid (I) falls gradually over this period from 22% to zero, and of 8:6- (II) and 8:7-acid (III) from 24 to 17%. That of the 3:6:8-acid (IV) rises during the first 12 hr., at the expense of (I), from 60 to 80%, and then falls to 40%; as a result of hydrolysis of SO₃H groups and of ring-fission. The 1:8:7- (V) and 1:8:6:7-tetra-acid (VI) first appear after 6 hr., and their yield rises to 24% after 24 hr. Varying the excess of oleum from 2- to 8-fold does not affect the total yield of sulphonic acids, at 130° (7 hr.); the yield of di. falls, and of tri-sulphonic acids rises, with increasing excess of oleum. Sulphonation with 4-fold excess of oleum for 7 hr. at different temp. shows that the total yield falls from 99% at 100° to 95-96% at 130°, and then falls rapidly to 28% at 160°. (I), (II), and (IV) are obtained in approx. equal yields at 100-110°, above which the yield of (IV) rises to a max. at 130°, that of (I) falls to zero at 140°, and that of (II) falls to 20% at 120-135° and to 6% at 160°. Formation of (V) and (VI) commences at 115°, reaches a max. at 140°, and falls to zero at 160°, with probable production of (III).</p> <p style="text-align: right;">R. T.</p>					
A.S.B.-S.L.A. METALLURGICAL LITERATURE CLASSIFICATION					
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PROCEDURES AND PROPERTIES INDEX

COMMON ELEMENTS

COMMON VARIABLES INDEX

INFLUENCE OF CONDITIONS OF SULFONATION ON THE YIELDS OF SULFONIC ACIDS IN THE PREPARATION OF β -NAPHTHOL-6:3-DISULFONIC ACID. I. I. VOZNYAKOV and P. N. KOSKUBOVA (Antikolnina. Prom. 1935, N. 334-336). The yields of sulfonic acids vary with temp. of sulfonation of β -C₁₀H₇OH, as follows: with temp. of sulfonation of β -C₁₀H₇OH, as follows: β -naphthol-6:3-disulfonic acid, from 53-6% at 40° to 64.7% at 80°, β -naphthol-6:3-disulfonic acid, from 6-6% at 40° to 0% at > 80°, β -naphthol-6:3-disulfonic acid, from 12-9% at 40° to 53-5% at 100°, β -naphthol-6:3-disulfonic acid, from 19-5% at 80° and to 0% at 90°, and non-coupling sulfonic acids, from 20% at 80° to 1.4% at 90°. Max. yields of G-acid are obtained when the duration of sulfonation is 12-24 hr. R. T.

ASB-ELA DETAIL LOGICAL LITERATURE CLASSIFICATION

FROM BOWLING

SEARCHED	SERIALIZED	INDEXED	FILED	DATE	BY	REMARKS

PROPERTIES AND PROPERTIES INDEX																	
<p style="text-align: right; margin-right: 20px;"><i>a-3</i></p> <p>/ Reduction of nitro-compounds with alkali sulphides. Preparation of m-nitroaniline. I. I. Voinovskiy (J. Chem. Ind., Russia, 1959, 7, 2143-2147).—The yield (80%) of m-nitroaniline from m-dinitrotoluene is improved by addition of NaHCO₃. A procedure is described. CHEMICAL ABSTRACTS.</p>																	
ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION																	
SECOND DIVISION																	
TENTH MAP OF USE																	
BELLSTONE																	
NORTH HAVARD																	
SULLOY ONE DAY 191																	

BC

10-11-4

Filtering properties of azo-dye suspensions.
L.I. VONCHIKOV (Prom. Ocy. Chim., 1930, 6, 20-23).
—The filtration coeffs. fall in the order: Direct
Bordeaux, Congo-red, Acid-blue K, Direct-green,
Acid-blue-black, Direct-yellow J, Direct-black B,
and Direct-violet.

R. T.

1ST AND 2ND SERIES										3RD AND 4TH SERIES									
PROCESSING AND PROPERTIES INDEX																			
<p>BC</p> <p>PREPARATION OF P-NAPHTHOL-1-SULPHONIC ACID. I. I. Veront,ov (Anilinokras. Prom., 1934, 4, 666--669).-- The highest yields (80%) are obtained according to U.S.P. 1,913,748 (U., 1934, 137). R. T.</p>																			
<p>ASR-11A METALLURGICAL LITERATURE CLASSIFICATION</p>																			
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167 AND 1700 CODES										168 AND 1701 CODES									
PROCESSES AND PROPERTIES INDEX																			
<div style="position: absolute; top: 10px; left: 10px; font-size: 2em; font-family: cursive;">BC</div> <div style="position: absolute; top: 10px; right: 10px; font-size: 1.5em; font-family: cursive;">B-II-1</div> <div style="position: absolute; top: 25%; left: 30%; width: 60%; text-align: center;"> <p>Preparation of Schäffer's acid. I. I. YORCHIKOV. (J. Chem. Ind., Russia, 1930, 7, 1287-1289).—By sulphonation of β-naphthol with 2 pts. of 95-97% H₂SO₄ during 36 hr. at a low temp. approx. equal quantities of β-naphthol-β-sulphonic acid and Schäffer's acid are obtained. By sulphonation during 2-3 hr. at 80-85° with 1.5 pts. of H₂SO₄ the yield of sulphonic acids is 60%, Schäffer's acid constituting 75-80%.</p> </div> <div style="position: absolute; bottom: 10px; right: 10px; font-size: 0.8em;">CHEMICAL ABSTRACTS.</div>																			
ASB-51A METALLURGICAL LITERATURE CLASSIFICATION																			
FROM SYNOBOL										FROM SCHWAB									
SYNOBOL										SYNOBOL									
SYNOBOL										SYNOBOL									

1ST APP. INFO SHEET		PROCESSING AND PROPERTY DATA	
BC		B-II-1	
<p>Hydrolysis of 2-sulphato-6-carboxylic acid during sulphonation of 2-naphthol. I. I. Voznesenskii and L. M. Ivanova (<i>J. Appl. Chem. Russ.</i>, 1949, 12, 1470-1473).—Sulphonation of β-$\text{C}_{10}\text{H}_7\text{OH}$ with 88% H_2SO_4 at 80–85° involves (i) formation of 2:1-, 2:6-, 2:7-, and 2:8-$\text{OH-C}_{10}\text{H}_6\text{SO}_3\text{H}$, (ii) hydrolysis of 2:1- and 2:8-$\text{OH-C}_{10}\text{H}_6\text{SO}_3\text{H}$, (iii) sulphonation of 2:8-$\text{OH-C}_{10}\text{H}_6\text{SO}_3\text{H}$ to the 6:8-disulphonic acid, (iv) sulphonation of 2:6-$\text{OH-C}_{10}\text{H}_6\text{SO}_3\text{H}$ to the 1:6- and 6:8-disulphonic acid, (v) hydrolysis of 2:1:6-$\text{OH-C}_{10}\text{H}_6(\text{SO}_3\text{H})_2$, R. T.</p>			
<p>ASH-55A METALLURGICAL LITERATURE CLASSIFICATION</p>			
FROM SYNTHESE		FROM MONITOR	
SEARCHED BY DATE		LISTED BY DATE	
<p>SEARCHED BY DATE</p>		<p>LISTED BY DATE</p>	

[illegible]

10

co

PROCESSES AND PROPERTIES

Reduction of dinitro compounds with alkali sulfides. Preparation of m-nitroaniline.
 I. I. VORONTZOV *J. Chem. Ind. (Moscow)* 7, 2145-7(1941).--The reduction of m-
 $C_6H_3(NO_2)_2$ (I) to m-nitroaniline (II) with Na_2S is improved by the addn. of $NaHCO_3$.
 To 1 mol. of dry technical I stirred with water at $82-8^\circ$ are added 12% more than 1.5
 mols. of dry $NaHCO_3$ and 8% more than 1.5 mols. of Na_2S as 13% soln. in the course
 of 20 min., the stirring is continued 30 min. at $82-8^\circ$, and the whole is poured on ice
 and stirred 30 min.; the II, filtered off and washed with cold water, m. $110-1^\circ$ (yield
 87%); purified by way of the HCl salt, the yield is 71-83%. The best practical results
 are obtained above; yield 80-2%. II is purified by acidifying the hot reaction mixt.
 with HCl, heating to $90-8^\circ$, cooling with ice, filtering off the S and pptg. the II with
 Na_2CO_3 .
 CHAR BLANC

METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
<p>CO</p> <p>10</p> <p>Production of 2,1-naphthalenecarboxylic acid. I. I. Vorontsov. <i>Azidobenzene</i> <i>From</i> 4, 565-9(1934). The methods of the Ger. pat. 74,688 and U. S. pat. 1,603,841 (C. A. 28, 1305) and 1,913,748 (C. A. 27, 4248) were investigated. The last method is preferred, because it gives a fairly good yield (80%) and eliminates the use of toxic PhNO_2 and low temps. (below 0°). C. B.</p>																			
<p>ASS-51A METALLURGICAL LITERATURE CLASSIFICATION</p>																			
<p>1ST AND 2ND ORDERS</p>										<p>3RD AND 4TH ORDERS</p>									

12

CA

INFLUENCE OF CONDITIONS OF SULFONATION ON THE YIELDS OF SULFONIC ACIDS IN THE PREPARATION OF *p*-NAPHTHOL-2,6-DI-SULFONIC ACID. I. J. VORONIL'Y and P. N. NOKOLOVA. *Antikislova* *Proiz.* 3, 234-9 (1935).—The yields of sulfonic acids vary with temp. of sulfonation of *p*-Naphthol as follows: 2-naphthol-6,8-disulfonic acid, from 53.5% at 40° to 64.7% at 80°, 3,6-disulfonic acid, from 12.9% at 40° to 33.5% at 100°, 6-sulfonic acid, from 12% at 40° to 19.5% at 80°, and to 0% at 90°, and noncoupling sulfonic acids, from 20% at 40° to 1.4% at 80°. Max. yields of G acid are obtained when the duration of sulfonation is 12-24 hrs. H. C. A.

ASM-35.4 METALLURGICAL LITERATURE CLASSIFICATION

COMMON ELEMENTS		PROCESSES AND PROPERTIES INDEX		COMMON ELEMENTS	
<p>CA</p>		<p>The influence of the sulfonation conditions on the yields of sulfonic acids in the production of R acid. I. I. Vorontsov and P. N. Sokolova. <i>Antineobrazhaya Prava</i>; 9: 17-21(1934); cf. <i>Ibid.</i> 1, No. 6(1931); C. A. 28, 5515; 26, 4500.—R acid and Schaeffer's acid (I) mixed in different proportions and converted into Fonceau 2R resulted in dyes of satisfactory tint with I up to 10%. The study of the effects of different factors on the yields of sulfonic acids led to the following conclusions. The max. oxidation losses of 5-6% are attained at the optimum sulfonation of 94-5%. The max. yield of 84-5% R acid contg. 9% I was obtained by sulfonating with 10% fuming H_2SO_4 at 120-5° for 18 hrs. and at 130-5° for 12 hrs. The min. yield of 10% R acid and I is obtained at all conditions of sulfonation. The relative contents of I in R acid are reduced to the permissible limit of 10% under the conditions of the optimum yield of R acid. The reduction of the strength of fuming H_2SO_4 below 10% SO_3 caused an increase of I above 10% in R acid, while an increase of SO_3 has no effect. A reduction in the temp. results in a lower yield of R acid and higher contents of I, while at higher temps. the yield of R acid is sharply reduced by the formation of $CaH_2(SO_3H)_2$.</p>		<p>10</p>	
<p>ASM-ISA METALLURGICAL LITERATURE CLASSIFICATION</p>					
<p>STANDARD SYMBOLS</p>		<p>STANDARD SYMBOLS</p>		<p>STANDARD SYMBOLS</p>	
<p>STANDARD SYMBOLS</p>		<p>STANDARD SYMBOLS</p>		<p>STANDARD SYMBOLS</p>	

<div style="position: absolute; top: 10px; left: 10px; font-size: 2em;">CA</div> <div style="position: absolute; top: 10px; right: 10px; font-size: 2em;">10</div>	
<p>The influence of the sulfonation conditions on the yields of sulfonic acids in the production of R acid. I. I. Vorontsov and P. N. Sokolova. <i>Arkhivkhozskaya Prom.</i> 4, 17-21(1934); cf. <i>Ibid.</i> 1, No. 5(1931); C. A. 28, 5515; 26, 4500.—R acid and Schaeffer's acid (I) mixed in different proportions and converted into Poncau 2R resulted in dyes of satisfactory tint with I up to 10%. The study of the effects of different factors on the yields of sulfonic acids led to the following conclusions. The max. oxidation losses of 5-6% are attained at the optimum sulfonation of 94-95%. The max. yield of 84-85% R acid contg. 9% I was obtained by sulfonating with 10% fuming H₂SO₄ at 120-5° for 18 hrs. and at 130-80° for 12 hrs. The min. yield of 10% R acid and I is obtained at all conditions of sulfonation. The relative contents of I in R acid are reduced to the permissible limit of 10% under the conditions of the optimum yield of R acid. The reduction of the strength of fuming H₂SO₄, below 10% SO₃ caused an increase of I above 10% in R acid, while an increase of SO₃ has no effect. A reduction in the temp. results in a lower yield of R acid and higher contents of I, while at higher temps. the yield of R acid is sharply reduced by the formation of C₁₀H₆(SO₃H)₂. Chas. Blanc</p>	
<div style="display: flex; justify-content: space-between;"> <div> <p>ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION</p> <p>1934-1935</p> </div> <div> <p>1934-1935</p> </div> </div>	

STANDARD INDEXING																									
STANDARD INDEXING													STANDARD INDEXING												
STANDARD INDEXING													STANDARD INDEXING												
<p>Preparation of Schaffer's acid. 1. I. YERONIMOV. J. Chem. Ind. (Moscow) 7, 1287-9 (1930).—A brief review is given of the methods of manuf. of Schaffer's acid, and 2 methods are discussed in detail. In the first the sulfonation of β-naphthol is carried out for about 30 hrs at a low temp. with 2 parts by wt. of 95.7% H_2SO_4 to 1 of β-naphthol; about the same amt. of 2,8-naphtholsulfonic acid as of Schaffer's acid is obtained. According to the second method the sulfonation is carried out for 2.3 hrs. at a higher temp. (80.5°) with 1.5 as much H_2SO_4 as β-naphthol. The yield of sulfonic acids is about 60%, of which the Schaffer's acid constitutes $1/2$ $1/4$. K. O.</p>																									
<p>ASB-55-8 DETAIL ORIGIN LITERATURE CLASSIFICATION</p>																									

1ST AND 2ND ORDER										3RD AND 4TH ORDER									
PROCESSES AND PROCEDURES MADE																			
<p>Mineral waste products in the production of dyes, and their utilization. I. I. Vorontsov. <i>Antikisloshchennaya Press.</i> 2, No. 4, 36-48 (1932).--A discussion is given of the known methods of recovery and utilization of gas, mineral and acid waste products, and of absorption of noxious gases obtained in the production of azo and S dyes at the Derbenovsk works.</p> <p>Chas. Blanc</p>																			
<p>ASB-5LA METALLURGICAL LITERATURE CLASSIFICATION</p>																			
<p>SEARCHED BY ONE GRI</p>										<p>INDEXED BY ONE GRI</p>									
<p>GROUPED BY ONE GRI</p>										<p>CLASSIFIED BY ONE GRI</p>									

24

CO

Drying of azo dyes. I. I. Vorontsov. *Azidobrazushchaya* (Proc. 4, 212-20, 1934).—The results of drying a no. of azo dyes in a factory by different methods are interpreted in the light of the Sherwood theory (C. A. 23, 1451, 3519; 20, 2255; 27, 1728). Chas. Blain

ASH-SLP METALLURGICAL LITERATURE CLASSIFICATION

1st AND 2ND DEPT'S		PROCESSING AND PROPERTIES MODS		1ST AND 2ND DEPT'S	
BC				3-IL-8	
<p>Milled carbon black: B. Yonushov and N. Puzosnitsky (<i>J. Rubber Ind. U.S.S.R.</i>, 1966, 12, 919--)</p> <p>942). Milling of C black on rolls (C x 18 in., friction 1 : 1.38) decreased the vol. to g-i. increased the adsorptive power (100 g. of milled C black adsorbed 0.46 mg. of methylene blue before milling and 0.49 mg. after), and improved the mechanical qualities of rubber mixtures by 10-15%. .. Ca. App. (i)</p>					
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION					
GROUP DIVISION		SECTION SUB GROUP ONE		CLASS CODE	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00		1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 00	

1ST AND 2ND ORDERS																										100 AND 4TH ORDERS																									
POLYMERIZATION																										POLYMERIZATION																									
CO																										30																									
<p>Milled carbon black. S. Vorontsov and N. Pirozhkov. <i>J. Rubber Ind.</i> (U. S. S. R.) 12: 42 (1935).—Milling of C black on rolls (8 x 12 in., fraction 1:1.50) decreased the vol. to 1/2, 1/3; (2) increased its adsorptive power (100 g. of milled C black adsorbed 0.48 mg. of methylene blue before milling and 0.90 mg. after milling and (3) improved the mech. qualities of rubber mixts. 10-15%. A. P.</p>																																																			
<p>ASB-55A METALLURGICAL LITERATURE CLASSIFICATION</p>																																																			
<p>FROM: 574170</p>																																																			
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<p>BY: 10/10/55</p>																																																			
<p>REMARKS: 10/10/55</p>																																																			

PROCESS AND PROPERTY INDEX

7

CA

Detection of cobalt ion in the presence of other cations.
R. V. Yorgutsoz—*J. Applied Chem.* (U. S. S. R.) 8,
558(in German 556)(1935).—In the test for Co by the
Vogel reaction it is recommended to use a HCl soln., make
the soln. acid. with NH₄CNS and remove the Fe(CNS),
coloration with SnCl₂. A. A. Boettingk

ASTM-SLA METALLURGICAL LITERATURE CLASSIFICATION

RECORD NUMBER

RECORD ONE ONLY USE

RECORD TWO ONLY USE

BC

a-1

Detection of cobalt in presence of other cations.
R. V. YONOSOV (J. Appl. Chem. Russ., 1935, 8, 555-556).—The solution is made acid with HCl, excess of NH_4CNS is added, the solution is decolorized with SnCl_2 , $\text{C}_2\text{H}_5\text{OH}$ in COMe is added, and the mixture is shaken. A blue coloration of the alcohol layer indicates Co. R. T.

ASA-ILA METALLURGICAL LITERATURE CLASSIFICATION

GROUP #	102000-119 000 001	REACTION	10000 000 000 001
1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24
25	26	27	28
29	30	31	32
33	34	35	36
37	38	39	40
41	42	43	44
45	46	47	48
49	50	51	52
53	54	55	56
57	58	59	60
61	62	63	64
65	66	67	68
69	70	71	72
73	74	75	76
77	78	79	80
81	82	83	84
85	86	87	88
89	90	91	92
93	94	95	96
97	98	99	100

Laurus camphora Nees (cinnamomum camphora). V. E. Vorontsov. Byull. Nauch. Issledovatel. Khim.-Farm. Inst. 1931, 88 93. *Laurus camphora* Nees cultivated in the Batum district gave the following percentages of camphor and essential oil (the tree was about 30 years old): leaves and young branches 2.0%, 0.13%; and roots (the dry substance); branches of higher age 0.53, 0.13%; trunk 2.11, 0.51%; and roots 1.65, 1.30%. The yields are but slightly affected on storage. A. A. Rechlingk.

Analysis of emetine hydrochloride. H. A. Klyachkina and V. D. Zilberg. Byull. Nauch. Issledovatel. Khim.-Farm. Inst. 1931, 103 11. Emetine hydrochloride, $C_{15}H_{27}NO_4$, contains varying amts. of water of crystn. according to the Dutch Pharm. The methods described in various pharmacopoeas for the sepn. of Na cephalinate are not accurate. Na cephalinate is stable (it is not hydrolyzed) only at high concns. of the caustic (40-60%) and ether extn. not only emetine but also some cephalin. In addition when cephalin is extd. with ether from the ammoniacal soln. the extn. is incomplete. Emetine is extd. from a 20-30% alk. soln. after 2 extns. and it should not be subjected to drying in the course of the analysis because of the ease of decompn. Cephalin is soluble in alkalies and the stability of the cephalinate depends upon the concn. of the alkali. An excess of NH_4OH , however, should be avoided because of the partial soly. of cephalin. The best results are obtained by using, in ether extns. from an NH_4OH soln., a concn. of the latter amounting to 15-20% of that theoretically required. The use of buffer solns. was of no avail while complete extn. of cephalin is obtained with chloroform; this, however, caused the extn. of picrotoxin ($C_{41}H_{57}NO_8$) and other contaminations. Emetine was sepd. from cephalin as follows: The alk. mist. was treated with NH_4OH after acidifying followed by a repeated ether extn. of emetine left after evapn. of ether consists of cephalin. To the neutralized alk. soln. of emetine HCl and cephalin $NaOH$ was added until the concn. of the soln. reaches about 50% and the alk. liquid was then shaken with ether (2-3 times). The residue was evapd. and dried and contained emetine. A. A. Rechlingk.

LIST AND INC. COPIES										PROCESSING AND PROPERTIES INDEX										LTD. AND AIR. COPIES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
<div style="display: flex; justify-content: space-between;"> BC 11-4 </div> <div style="text-align: center; margin-top: 20px;"> <p>Latex, compound, Moss. (Chondrodendron condensum). V. E. Vostanov (Bull. Nauch. Issl. dev. Khim. Farm. Inst. 1961, 82-83).—The tree (30 years) afforded the following percentages of comp. and essential oil, respectively: leaves and young branches 0-07; 0-15 (on dry substance); older branches 0-62, 0-13; trunk 2-16; 0-68; roots 1-65; 1-30. Storage only slightly affects the yield. (Ch. Ass.)</p> </div>																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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><td>SP</td><td>SQ</td><td>SR</td><td>SS</td><td>ST</td><td>SU</td><td>SV</td><td>SW</td><td>SX</td><td>SY</td><td>SZ</td><td>TA</td><td>TB</td><td>TC</td><td>TD</td><td>TE</td><td>TF</td><td>TG</td><td>TH</td><td>TI</td><td>IJ</td><td>TK</td><td>TL</td><td>TM</td><td>TN</td><td>TO</td><td>TP</td><td>TQ</td><td>TR</td><td>TS</td><td>TT</td><td>TU</td><td>TV</td><td>TW</td><td>TX</td><td>TY</td><td>TZ</td><td>UA</td><td>UB</td><td>UC</td><td>UD</td><td>UE</td><td>UF</td><td>UG</td><td>UH</td><td>UI</td><td>IJ</td><td>UK</td><td>UL</td><td>UM</td><td>UN</td><td>UO</td><td>UP</td><td>UQ</td><td>UR</td><td>US</td><td>UT</td><td>UU</td><td>UV</td><td>UW</td><td>UX</td><td>UY</td><td>UZ</td><td>VA</td><td>VB</td><td>VC</td><td>VD</td><td>VE</td><td>VF</td><td>VG</td><td>VH</td><td>VI</td><td>IJ</td><td>VK</td><td>VL</td><td>VM</td><td>VN</td><td>VO</td><td>VP</td><td>VQ</td><td>VR</td><td>VS</td><td>VT</td><td>VU</td><td>VV</td><td>VW</td><td>VX</td><td>VY</td><td>VZ</td><td>WA</td><td>WB</td><td>WC</td><td>WD</td><td>WE</td><td>WF</td><td>WG</td><td>WH</td><td>WI</td><td>IJ</td><td>WK</td><td>WL</td><td>WM</td><td>WN</td><td>WO</td><td>WP</td><td>WQ</td><td>WR</td><td>WS</td><td>WT</td><td>WU</td><td>WV</td><td>WW</td><td>WX</td><td>WY</td><td>WZ</td><td>XA</td><td>XB</td><td>XC</td><td>XD</td><td>XE</td><td>XF</td><td>XG</td><td>XH</td><td>XI</td><td>IJ</td><td>XK</td><td>XL</td><td>XM</td><td>XN</td><td>XO</td><td>XP</td><td>XQ</td><td>XR</td><td>XS</td><td>XT</td><td>XU</td><td>XV</td><td>XW</td><td>XX</td><td>XY</td><td>XZ</td><td>YA</td><td>YB</td><td>YC</td><td>YD</td><td>YE</td><td>YF</td><td>YG</td><td>YH</td><td>YI</td><td>IJ</td><td>YK</td><td>YL</td><td>YM</td><td>YN</td><td>YO</td><td>YP</td><td>YQ</td><td>YR</td><td>YS</td><td>YT</td><td>YU</td><td>YV</td><td>YW</td><td>YX</td><td>YY</td><td>YZ</td><td>ZA</td><td>ZB</td><td>ZC</td><td>ZD</td><td>ZE</td><td>ZF</td><td>ZG</td><td>ZH</td><td>ZI</td><td>IJ</td><td>ZK</td><td>ZL</td><td>ZM</td><td>ZN</td><td>ZO</td><td>ZP</td><td>ZQ</td><td>ZR</td><td>ZS</td><td>ZT</td><td>ZU</td><td>ZV</td><td>ZW</td><td>ZX</td><td>ZY</td><td>ZZ</td> 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VORONTZOV, V. S.,
Z. I. VOZZHINSKAYA, Khim. Tverdogo Topliva 5, 243-51 (1934)

BC

B-I-5

Electrolytic determination of copper in chromium-copper alloys. M. T. Yuzarskaya (Zavod. Lab. 1957, 4, 575-576). 2 g. of steel are dissolved in 40 ml. of 10% H₂SO₄; the solution is conc. to approx. of 100 ml. 5-7 ml. of H₂O are added, and heating is continued at a rate of 80-90 ml. of H₂O are added, the solution is filtered, and the filtrate + washings are electrolyzed at 20° (c.d. 0.5-0.9 amp./sq. cm. at 2-3 v.) for 45 min. The cathode is washed, dried at 100°, and weighed. R. T.

ASM-A6A METALLURGICAL LITERATURE CLASSIFICATION

119

CA

The role of the endocrines in the pathogenesis of allergic reactions. 1. Phenomenon of Arthus in thyroidectomized rabbits before sensitization. G. S. Veruvanskid. *Med. exp. (Ukraine)* 1939, No. 3, 34-40; Cf. C. T. 34, 1370.
The thyroid glands were removed from rabbits 7-20 days before sensitization by means of 6 injections of 2 ml. of normal horse serum into the marginal ear vein with intervals of 3-6 days. The phenomenon of Arthus was seen in all the animals but the inflammatory reaction was somewhat weaker in the thyroidectomized rabbits. S. A. C.

ASB-55A METALLURGICAL LITERATURE CLASSIFICATION

112

Ca

THE ROLE OF ENDOCRINE GLANDS IN THE PATHOGENESIS OF ALLERGIC REACTIONS. II. ARTHUS' PHENOMENON IN RABBITS THYROIDECTOMIZED AT THE PEAK OF SENSITIZATION. (I. S. YEGOROVSKY, *Mik. rept.* (Ukraine) 1930, No. 4, 13)

— Fifteen male rabbits were sensitized by 6 injections of 2 cc. doses of normal horse serum into the marginal ear vein at 8-day intervals. Total thyroidectomy performed during the interval between the last sensitizing dose and the toxic dose led to mitigation of Arthus' phenomenon but could not completely prevent its development.

S. A. GORODIN

ASSOCIATE METALLURGICAL LITERATURE CLASSIFICATION

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CHUDNOVSKIY, Izrail' Yakovlevich, inzh.; LAKETKO, Vladimir
Iosifovich, inzh.; VORONYAK, Ivan Gavrilovich, tekhnik;
ORIOV, Boris Petrovich, inzh.; SHNAYDERMAN, David
Khaymovich, inzh.; KOYCHU, Dora Mikhaylovna, inzh.;
BALL, A.M., kand. tekhn.nauk, retsenzent; VEKSLER, G.S.
kand.tekhn. nauk, retsenzent; LYSENKO, N.A., kand.
tekhn. nauk, retsenzent; YUR'YEV, A.M., inzh., retsen-
zent; TYNSKIY, P.I., inzh., retsenzent

[Handbook on motion-picture equipment] Spravochnik po
kinotekhnike. [By] I.IA.Chudnovskii i dr. Kiev, Tekh-
nika, 1964. 635 p. (MIRA 18:1)

KUZNIK, B.I.; AL'FONSOV, V.V.; VORONYANSKAYA, L.G.; NAUMOV, A.D.

Some seasonal characteristics of the regulation of the blood system
in animals in the ultracontinental climate of Transbaikalia. Dok.
vop. klim. i kraev. pat. no.3:60-64 '63.

(MIRA 18:10)

1. Iz kafedry normal'noy fiziologii (ispolnyayushchiy obyazannosti
zaveduyushchego dotsent B.I.Kuznik) Chitinskogo gosudarstvennogo
meditsinskogo instituta.

VORONYANSKIY, kand.tekhn.nauk; ANDRIYEVSKIY, P.

Machines prepare organomineral fertilizers on livestock farms.

Nauka i pered.op.v sel'khoz. 9 no.11:60-61 N '59.

(MIRA 13:3)

1. Direktor sovkhoza "Buchanskiy" (for Andriyevskiy).
(Fertilizers and manures) (Agricultural machinery)

VORONYANSKIY, A., shofer; HARODETSKIY, I., shofer.

Our working experience with a ZIS - 154 motor bus. Avt.transp.32
no.12:10 D '54. (MLRA 8:3)

1. Kiyevskiy avtobusnyy park No.1.
(Motor buses)

VORONYANSKIY, G.S.

LEKHTSIYER, L.I. (Khar'kov); VORONYANSKIY, G.S. (Khar'kov); KAPLAN, P.M.
(Khar'kov) SUKHOVIY, F.I. (Khar'kov); DINERSHTEYN, Z.M. (Khar'kov);
SERDYUKOVA, O.A. (Khar'kov)

Clinical, anatomical and physiological peculiarities of epulis.
Probl. stom. 3:303-316 '56 (MLRA 10:5)
(GUMS--TUMORS)

VORONYANSKIY, G.B., dotsent; MIKLYAYEV, Yu.I.

Work of the Kharkov Province Society of Pathoanatomists and Patho-physiologists in 1955. Arkh.pat. 18 no.8:115-117 '56. (MLRA 10:2)

1. Predsedatel' Khar'kovskogo oblastnogo obshchestva patologoanatomov i patofiziologov (for Voronyanskiy) 2. Sekretar' Khar'kovskogo oblastnogo obshchestva patologoanatomov i patofiziologov (for Miklyayev)

(ANATOMY, PATHOLOGICAL)

(PHYSIOLOGY, PATHOLOGICAL)

VORONYANSKIY, G.S.
VORONYANSKIY, G.S., dotsent; MIKLYAYEV, Yu.I.

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1. Predsedatel' Khar'kovskogo oblastnogo obshchestva patologoanatomov i patofiziologov (for Voronyanskiy). 2. Sekretar' Khar'kovskogo oblastnogo obshchestva patologoanatomov i patofiziologov (for Miklyayev)

(ANATOMY, PATHOLOGICAL)

(PHYSIOLOGY, PATHOLOGICAL)

VORONYANSKIY, M.P. [Voronians'kyi, M.P.], nauchnyy sotrudnik

Preparation for the operation of mechanisms for manure handling.
Mekh. sil'. hosp. 14 no.11:28-29 N'63. (MIRA 17:2)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanizatsii i
elektrifikatsii sel'skogo khozyaystva.

VORONYANSKIY, N., kand.tekhn.nauk

Pipeless watering system. Sel' stroi. 15 no.1:22-23 Ja '61.

(MIRA 14:3)

(Cattle--Watering)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861010012-1

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001861010012-1"

VORONYANSKIY, V. I.

"The Effect of Castration on the Nature of Proteins in Capon Muscles."
Cand Biol Sci, Khar'kov Veterinary Inst, Khar'kov, 1954. (KL, No 3, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher
Educational Institutions (13)
SO: Sum. No 598, 29 Jul 55

24.5200

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S/044/62/000/002/045/092
C111/C444

AUTHOR: Voron'yets, Konstantin
TITLE: The deviation of the velocity field of a flow from the potential field
PERIODICAL: Referativnyy zhurnal, Matematika, no. 2, 1962, 76-77, abstract 2B337. ("Zb. radova Srpska AN", 1959, Kn'., 60, 97-107)

TEXT: Let $f(x,y) = \varphi(x,y) + i\psi(x,y)$ be an analytic function of the complex variable $z = x + iy$. Then $\varphi(x,y)$ and $\psi(x,y)$ satisfy the Cauchy-Riemann conditions: $\text{grad } \varphi = [\text{grad } \psi, K]$, where K is the unit vector, standing orthogonally on the plane XOY. If the function $f(x,y)$ is not analytic, then one may regard the vector $B = \text{grad } \varphi - [\text{grad } \psi, K]$ which has been introduced by Bilimovich (RZh Mat, 1956, 6520), to be the measure for the deviation from analyticity.

In the referred paper one uses the results of Bilimovich in order to investigate a non-potential plane flow of a compressible liquid. The author sets

Card 1/2

The deviation of the velocity . . .

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C111/C444

$$v_x = \frac{\partial \varphi}{\partial x} = \frac{\xi_0}{\xi} \frac{\partial \Psi}{\partial y}, \quad v_y = \frac{\partial \varphi}{\partial y} = -\frac{\xi_0}{\xi} \frac{\partial \Psi}{\partial x},$$

and constructs the non-analytic complex potential $f = \varphi + i\Psi$; this potential is investigated and used for the construction of the approximative solution. The formula

$$B = \left(1 - \frac{\xi_0}{\xi}\right) \Psi$$

is obtained. The obtained results are transferred to the three-dimensional flow of a compressible liquid, whereby a non-analytic quaternion potential is constructed and investigated.

[Abstracter's note: Complete translation.]

Card 2/2

VORONYUK, A. S.

VORONYUK, A. S.: "An analysis of the conditions for the use of underground crushers for secondary crushing of ore". Moscow, 1955. Acad Sci USSR. Inst of Mining. (Dissertations for the Degree of Candidate of Technical Sciences)

SO: Knizhnaya letopis', No. 52, 24 December, 1955. Moscow.

BARON, L.I.; VORONYUK, A.S.

Role of second crushing and the ore yield as related to the
general work input for second workings in various mining systems.

Trudy Inst.gor.dela 3:74-88 '56.

(MLRA 9:8)

(Krivoy Rog--Iron mines and mining)

V. R. 10:6, 11:3
BARON, Lazar' Israilevich, doktor tekhnicheskikh nauk; ~~YORONVUK~~ Anatoliy
Stepanovich, kandidat tekhnicheskikh nauk; SHUSTOVA, V.M.,
~~redaktor izdatel'stva~~; VAINSHTEYN, Ye.B., tekhnicheskiiy redaktor

[Use of underground crushing apparatus in ore mines] Primenenie
podzemnykh drobil'nykh ustanovok na metallicheskh rudnikakh.
Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po cherno i tsvetnoi
metallurgii, 1957. 186 p. (MLRA 10:6)
(Mining machinery) (Crushing machinery)

VORONYUK, A. S., Cand. Tech. Sci. and BARON, L. I. Dr. Tech. Sci.

Method of Determining the Economic Expediency of Utilizing Underground Crushing Machinery, in book Problems in the Exploitation of Mineral Ore Deposits, Moscow, Izd-vo- AN SSSR, 1958, 251pp. (pp. 122)

Subsurface crushing offers the following advantages: better working conditions and increased safety, increased productivity, more proficient mucking and tramming, and more efficient utilization of hauling and hoisting equipment. Various designs are submitted by the authors.

Approximate Evaluation of the True Volume of Broken Ore by Its Three Maximum Dimensions. p. 153 in above book.

The authors provide a practical approach for classifying broken ore of different size and computing voids.

VORONYUK, A.S.

SHOLDYREV, Anatoliy Yevtikheyevich; VORONYUK, A.S., kand.tekhn.nauk, red.;
LANOVSKAYA, M.R., red.izd-va; EVENSON, I.M., tekhn.red.

[Mechanization of filling work during mine operation] Mekhanizatsia
zakladochnykh rabot pri razrabotke rudnykh mestorozhdenii. Moskva,
Gos. nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoy metallurgii,
1958. 275 p. (MIRA 11:4)
(Mining engineering)

BARON, L.I.; VORONYUK, A.S.; SIMONYAN, Ye.A.; FUGZAN, M.D.

Computed values for the physiomechanical characteristics of mixtures of pieces of rock having various hardnesses. Izv. AN Kazakh. SSR. Ser. gor. dela no.1:111-118 '58.

(Rocks—Testing)

(MIRA 16:5)

AGOSHKOV, M.I.; BRONNIKOV, D.M.; KOVAZHENKOV, A.V. [deceased]; NIKANOROV, V.I.; MOCHALIN, M.P.; VORONYUK, A.S.; Prinimali uchastiye: KRASAVIN, G.A.; GAGULIN, M.V.; BARSUKOV, F.A.; TERPOGOSOV, Z.A., kand. tekhn.nauk, otv.red.; NIKOLAYEVA, I.N., red.izd-va; DOROKHINA, I.N., tekhn.red.

[Investigating the main technological processes of underground mining of thick hard ore deposits] Issledovanie osnovnykh tekhnologicheskikh protsessov pri podzemnoi razrabotke moshchnykh mestorozhdenii krepkikh rud. Moskva, Izd-vo Akad.nauk SSSR, 1959. 359 p. (MIRA 13:2)

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(Mining engineering) (Ore dressing)

VORONYUK, A.S.

Improving working conditions and increasing safety on the ore
loading and unloading level. Trudy Inst. gor. dela Sib. otd.
AN SSSR no.3:329-338 '60. (MIRA 14:4)
(Ore handling--Safety measures)

BARON, L.I., prof., doktor tekhn. nauk; VORONYUK, A.S., kand. tekhn. nauk

Problems of extracting large-sized ore in underground mining.
Nauch. soob. IGD 15:15-32 '62. (MIRA 17:2)

GONCHAROVICH, I.F., kand.tekhn.nauk; VORONYUK, A.S., kand.tekhn.nauk

Using vibrating equipment in underground mining of ore. Nauch.
soob. IGD 17:40-58 '62. (MIRA 16:7)
(Mining machinery) (Vibration)

VORONYUK, A.S., kand.tekhn.nauk

Determining the mine-conditioned lump size and the selection
of the parameters of equipment and installations for conveying
ore from stope blocks. Nauch. scob. IGD 21:4-22 '63. (MIRA 17:2)

AGOSHKOV, M.I.; BUD'KO, A.V.; ARUTYUNOV, K.G.; BOGDANOV, G.I.;
KRIVENKOV, N.A.; Prinimali uchastiye: ZAMESOV, N.A.;
GAGULIN, M.V.; KRASAVIN, G.A.; VORONYUK, A.S.;
KOSTAN'YAN, A.Ya., red.izd-va; ASRAF'YEVA, G.A., tekhn.
red.; SIMKINA, G.S., tekhn. red.

[Analysis of the development systems of mines in the Krivoy
Rog Basin] Analiz sistem razrabotki rudnikov Krivorozhskogo
basseina. Moskva, Izd-vo AN SSSR, 1963. 184 p.

(MIRA 17:3)

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AGOSHKOV, M.I.; VORONYUK, A.S.; ARBACHAKOVA, G.I.

Angles of inclination of main ore chutes. Fiz.-tekhn. probl.
razrab. pol. iskop. no.5:66-69 '65. (MIRA 19:1)

1. Institut gornogo dela imeni Skochinskogo, Moskva.

VORONYUK, B. A.

GARDENING

Sowing peas with white mustard., Sov. agron., 10 no. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1952.
Unclassified.

VORONYUK, B.A., kandidat sel'skokhozyaystvennykh nauk; DUBININA, T.D.,
nauchnyy sotrudnik

Peanut and sesame breeding and seed production. Trudy VNIIT
no. 10:49-68 '54. (MIRA 8:9)

(Peanuts) (Sesame)

VORONYUK, B.A., kandidat sel'skokhozyaystvennykh nauk.

Slightly dehiscent Sl-3 sesame. Ref. nauch. rab. VNIIEOP no.3:92-
95 '55. (MIRA 9:11)

(Sesame)

Country : USSR
CATEGORY :

M-7

ASS. JOUR. : RZBiol., No. 19, 1958, No. 87164

AUTHOR : Voronyuk, B. A.
INST. : All-Union Scientific Research Institute of *
TITLE : A New Form of Peanuts.

ORIG. PUB. : Referaty nauchn. rabot Vses. n.-i. in-ta
konservn. i cvoshchesush. prom-sti, 1957, **
ABSTRACT : At the experimental selection station "Mayak"
(near Krasnodar) by crossing in 1951 a semi-bushy, low-
yield, late variety of peanuts, that produces large pods,
with the Stepanyak variety (a high-yield, early maturing,
bushy variety which, however, produces small pods), and by
selection during 1952-1953, there has been obtained a new
form of semi-bushy, large-pod peanuts, which is character-
ized by strong development of the tops. In 1954, at the
selection nursery, this form was found to produce higher
yields than the zonal variety, and showed the highest
indices in absolute weight of pods (2465 g) and seeds
(900 g). -- Ye. Z. Geydel'berg.

CARD:// * the Industry of Canning and Dried Vegetables.

VORONYUK, B.A. kandidat sel'skokhozyaystvennykh nauk.

Promising form of late-fruited peanut. Masl.-zhir. prem. 23 no.2:
12-13 '57. (MLRA 10:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut konservnoy i
oboshchesushil'noy promyshlennosti.
(Peanuts)